THEORETICAL COMPUTER SCIENCE
Algorithms, automata, complexity and games

VOLUME 141, NUMBERS 1–2, 17 APRIL 1995

Abstracted/Indexed in: ACM Computing Reviews, Compuscience, Computer Abstracts, Current Contents: Engineering, Technology & Applied Science, Engineering Index/Compendex, INSPEC Information Services, Mathematical Reviews, Zentralblatt für Mathematik

CONTENTS

FUNDAMENTAL STUDY

F. Gruau, J.-Y. Ratajszczak and G. Wiber
A neural compiler 1

REGULAR PAPERS

P. Johansen
On-line string matching with feedback 53

D.E. Muller and P.E. Schupp
Simulating alternating tree automata by nondeterministic automata:
New results and new proofs of the theorems of Rabin, McNaughton and Safra 69

R.G. Downey and M.R. Fellows
Fixed-parameter tractability and completeness II: On completeness for $W[1]$ 109

A.C.-C. Yao
Algebraic decision trees and Euler characteristics 133

S. Kapur and G. Bilardi
Language learning without overgeneralization 151

A. Apostolico, D. Breslauer and Z. Galil
Parallel detection of all palindromes in a string 163

B. Jenner and J. Torán
Computing functions with parallel queries to NP 175

R. Gorrieri and U. Montanari
On the implementation of concurrent calculi in net calculi: two case studies 195

L. Kari, A. Mateescu, Gh. Păun and A. Salomaa
Multi-pattern languages 253

J. Håstad, A. Razborov and A. Yao
On the shrinkage exponent for read-once formulae 269

D. Sieling and I. Wegener
Graph driven BDDs – a new data structure for Boolean functions 283

Y. Mizoguchi and Y. Kawahara
Relational graph rewritings 311

NOTES

H. Petersen
A remark on a paper by A.B. Matos 329

V. Terrier
On real time one-way cellular array 331

A. Dessmark, A. Lingas and A. Maheshwari
Multi-list layering: Complexity and applications 337

J. Justin and G. Pirillo
On a question about factorization forests 351

Author Index Volume 141 357